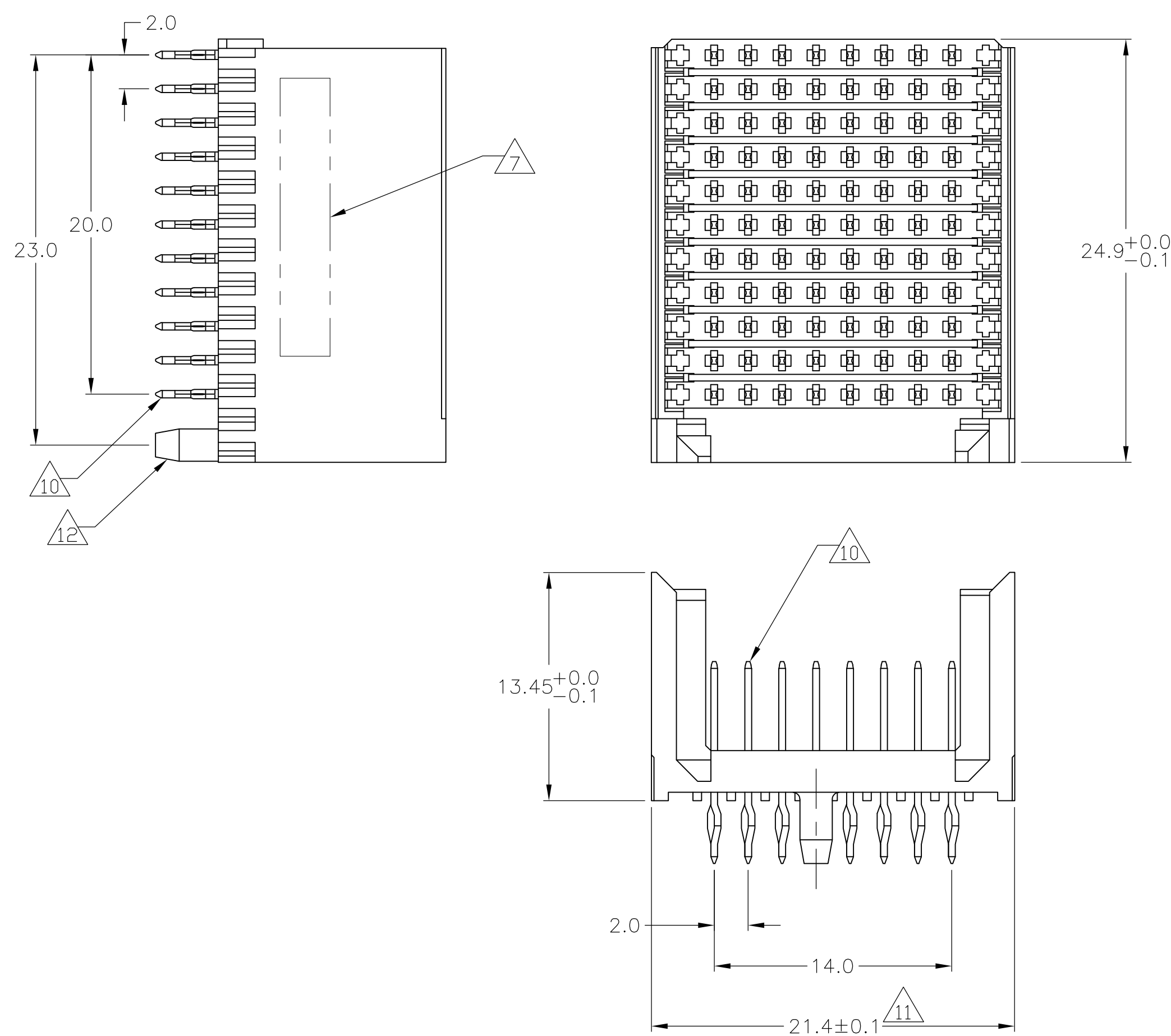


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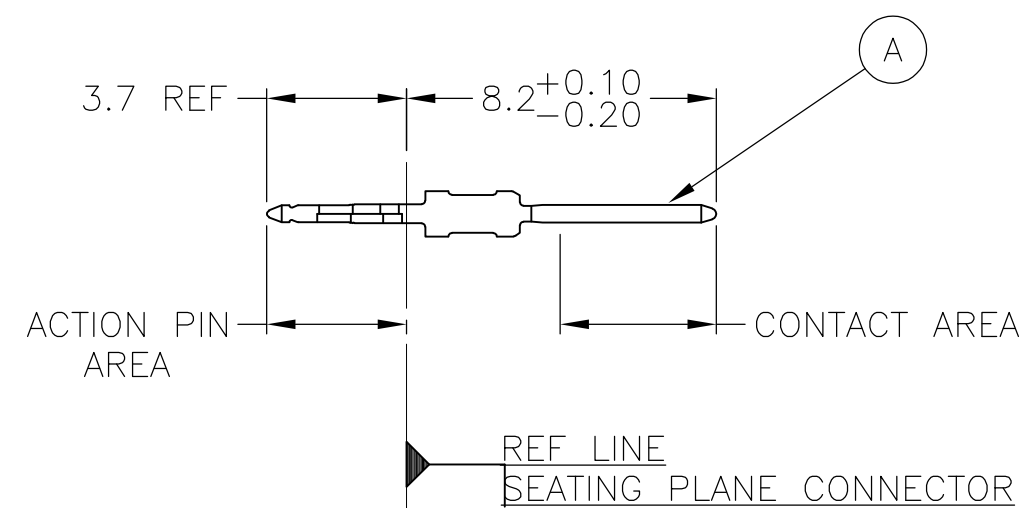
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CONNECTOR ASSEMBLY  
EXEMPLARY LOADED 



## CONTACT DIMENSIONS

SCALE 5:1



## CONTACT LAYOUT

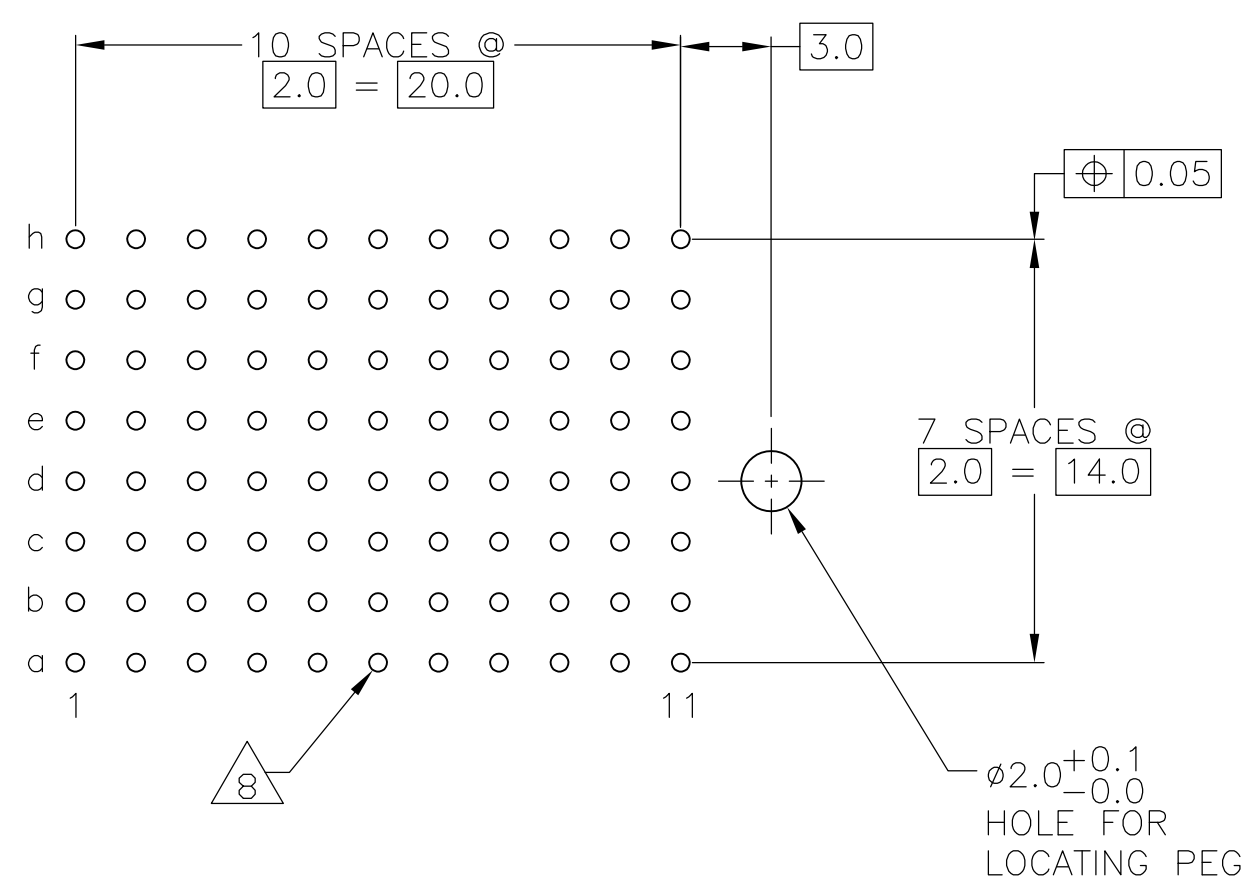
|    | z | a | b | c | d | e | f | g | h | i |
|----|---|---|---|---|---|---|---|---|---|---|
| 1  |   | A | A | A | A | A | A | A | A |   |
| 2  |   | A | A | A | A | A | A | A | A |   |
| 3  |   | A | A | A | A | A | A | A | A |   |
| 4  |   | A | A | A | A | A | A | A | A |   |
| 5  |   | A | A | A | A | A | A | A | A |   |
| 6  |   | A | A | A | A | A | A | A | A |   |
| 7  |   | A | A | A | A | A | A | A | A |   |
| 8  |   | A | A | A | A | A | A | A | A |   |
| 9  |   | A | A | A | A | A | A | A | A |   |
| 10 |   | A | A | A | A | A | A | A | A |   |
| 11 |   | A | A | A | A | A | A | A | A |   |

GUIDING

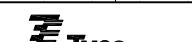
**RECOMMENDED** PCB-HOLE LAYOUT  
COMPONENT SIDE SHOWN

## PLATED THRU HOLES PARAMETERS

## REFERENCE APPLICATION SPECIFICATION



|          |                                                                                       |                                                                                       |                                                                                       |                |
|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|
|          |  |  |  | 3-646457-0     |
| OBSOLETE |  |  |  | 1-646457-9     |
| OBSOLETE |  |  |  | 646457-9       |
|          |  |  |                                                                                       | 646457-4       |
|          |  |  |                                                                                       | 646457-1       |
|          | FINISH                                                                                |                                                                                       |                                                                                       | PART<br>NUMBER |

|                                                                                                            |  |                                                                                                                                                                         |  |                                                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                     |  | DWN 13JUL05<br>S. WAITMAN<br>CHK 13JUL05<br>G. SKIPPER<br>APVD 13JUL05<br>G. SKIPPER<br>PRODUCT SPEC                                                                    |  |  Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |  |
| DIMENSIONS:<br>mm<br> |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0-PLG $\pm .000$<br>1-PLG $\pm .002$<br>2-PLG $\pm .002$<br>3-PLG $\pm .0005$<br>4-PLG $\pm .0005$<br>ANGLES $\pm .030^\circ$ |  | NAME MALE ASSEMBLY, Z-PACK 2mm HM,<br>TYPE F                                                                                                    |  |
| MATERIAL<br>          |  | FINISH<br>SEE TABLE                                                                                                                                                     |  | SIZE 108-19082<br>APPLICATION SPEC<br>114-19029                                                                                                 |  |
| WEIGHT —                                                                                                   |  | A1 00779                                                                                                                                                                |  | DRAWING NO C-646457                                                                                                                             |  |
| CUSTOMER DRAWING                                                                                           |  | SCALE 4:1                                                                                                                                                               |  | SHEET 1 OF 2                                                                                                                                    |  |
|                                                                                                            |  |                                                                                                                                                                         |  | REV G                                                                                                                                           |  |

8

7

6

5

4

3

2

1

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LOC

DIST

AD

00

REV

LTR

DESCRIPTION

DATE

DWN

APVD

—

SEE SHEET 1

—

—

—

1

MATERIAL:  
CONTACT: PHOSPHOR BRONZE.  
HOUSING: GLASS-FILLED POLYESTER.

2

GENERAL PLATING SPECIFICATION: UNDERPLATING  
(ENTIRE CONTACT): 1.27µm MIN NICKEL AND ACTION  
PIN: 0.5µm MIN TIN\LEAD.  
FOR PLATING OF MATING SURFACES SEE APPLICABLE  
SPECIFICATION REFERENCE FOR EACH DASH NUMBER.

3

CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 2.

4

CONFORMS TO ALL TESTING ACCORDING TO IEC 61076-4-101  
PERFORMANCE LEVEL 1.

5

CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
CENTRAL OFFICE APPLICATIONS.

6

CONNECTOR TESTED AND QUALIFIED AGAINST TELCORDIA GR-1217-CORE QUALITY LEVEL 3,  
UNCONTROLLED ENVIROMENT APPLICATIONS.

7

CONNECTOR MARKED WITH PART NUMBER AND DATE CODE.  
ADDITIONAL CHARACTERS OR MARKINGS, AS WELL AS THE LOCATION OF THE MARKINGS,  
MAY BE ADDED FOR TRACEABILITY BASED UPON MANUFACTURERS DISCRETION.

8

PLATED-THROUGH HOLES AT 2x2mm SQUARE GRID  
PATTERN DEFINED BY CONTACT LAYOUT.

9

FOR ACTUAL PIN LOADING SEE "CONTACT LAYOUT".

10

FOR ACTUAL PIN DIMENSIONS SEE "CONTACT DIMENSIONS".

11

TO BE MEASURED AT BOTTOM OF SHROUD.

12

LOCATION PEG.

13

CONNECTOR LUBRICATED WITH BELCORE APPROVED LUBRICANT,  
TECHNICAL REFERENCE: TR-NWT-001217 ISSUE 1, SEP 1992.

14

0.76µm MIN GOLD PLATING AT MATING SURFACES.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
S. WAITMAN  
13JUL05

CHK  
G. SKIPPER  
13JUL05

APVD  
G. SKIPPER  
13JUL05

mm

0-PLG

1-PLG

2-PLG

3-PLG

4-PLG

ANGLES

±

±0.2

±0.02

±0.005

±

0-90°

MATERIAL  
SEE SHEET 1

FINISH  
SEE SHEET 1

WEIGHT  
—

CUSTOMER DRAWING

DWN  
S. WAITMAN  
13JUL05

CHK  
G. SKIPPER  
13JUL05

APVD  
G. SKIPPER  
13JUL05

108-19082

114-19029

SIZE  
A1

CAGE CODE  
00779

DRAWING NO  
646457

RESTRICTED TO  
—

SCALE  
4:1

SHEET  
2

OF  
2

REV  
G

Tyco  
Electronics

Tyco Electronics Corporation

Harriaburg, Pa 17105-3608

NAME  
MALE ASSEMBLY, Z-PACK 2mm HM,  
TYPE F

AMP 4805 REV 31MAR2000